WHAT IS CLAIMED IS:

- 1. A battery pack with a remaining battery power calculating function, comprising:
- a secondary battery connected between a plus side terminal and a minus side terminal;
- a protective circuit for protecting the secondary battery from overcharge and over-discharge;
- a circuit operating with the minus side terminal as the reference to calculate a remaining capacity of the secondary battery;
- an N-channel MOS transistor for controlling charge and discharge of the secondary battery upon receiving a signal from the protective circuit in order to protect the secondary battery; and
- alevel shifter circuit provided for a level shift of an electric potential of the minus side terminal to a negative electrode side electric potential of the secondary battery.
- 2. A battery pack with a remaining battery power calculating function according to Claim 1, wherein the circuit for calculating the remaining capacity of the secondary battery monitors a charge current and a discharge current of the secondary battery to transmit the monitored results to a microcomputer external to the battery pack, and receives data of remaining battery power calculated by the microcomputer.

- 3. A battery pack with remaining battery power calculating function according to claim 2, wherein the secondary battery is a lithium ion secondary battery.
- 4. A battery pack with remaining battery power calculating function according to claim 2, wherein the secondary battery is a lithium ion secondary battery.
- 5. A battery pack with remaining battery power calculating function according to claim 1, wherein the secondary battery is a lithium ion secondary battery.
- 6. A battery pack with remaining battery power calculating function according to claim 1, wherein the secondary battery is a lithium ion secondary battery.